

# ESY-CI704

Intel i7 12<sup>th</sup> Generation CPU Rugged BOX PC

## Features

- Intel® Core™ i7-1255U Processor, Benchmark 13271
- Supports DDR5 Dual-Channel 3200 SODIMM, up to 64GB
- Support HDMI, VGA Outputs
- 2 x 1 GbE LAN Ports
- Industrial SSD or Innodisk SSD Support Wide Temperature (-40°C - +85°C)
- Wide Range DC 9 - 36V Input
- Support Windows 10 IoT
- Conduction Cooling, Fanless Chassis

## Appearance



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## Revision Table

Date	Revision	Content	By
2023/9/7	0.1	First Draft	Dennis
2023/10/16	1	Upgrade to i7-1255U CPU from i7-1250U (Benchmark 12317 -> 13271, according Pass Mark)	Dennis
2025/06/28	2	Add Innodisk SSD for wide temperature application	Devin

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Preliminary

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## Specification

BOX PC	
CPU	Intel® Core™ i7-1255U Processor, 12M Cache, up to 4.70 GHz
Memory	Dual DDR5 4800 MHz, up to 64GB Maximum
Storage	2x SATA III, 6Gb/s 1x M.2 NVME 4x
Graphics	Intel® Iris® Xe Graphics Eligible
Display	1x HDMI 1x VGA
Ethernet	2x GbE LAN
I/O	2x RJ45 1x HDMI 1x VGA (Optional DP) 2x USB3.0 1x Audio In 1x Line Out 1x COM
WIFI/GPS	Optional Module: 4G / Wi-Fi / GPS
Power Input	9 – 36 VDC
OS Support	Windows 10 IoT
Cooling	Conduction Cooling
Chassis	Rugged Floor Mount Design. Customization To Be Discussed
Dimension	220 x 205 x 65 mm

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## Environmental Compliance

Operating Temp.	-20°C to +60°C for Industrial SSD or -20°C ~ 70°C for Innodisk SSD
Storage Temp.	-30°C to +70°C
Humidity	90% @40°C, Non-Condensing

Environmental performance may vary according to the integration method or final integration scenario.

## Deliverables

No.	Item
1	Intel i7 12 <sup>th</sup> Generation CPU Rugged BOX PC

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# ESY-CI704

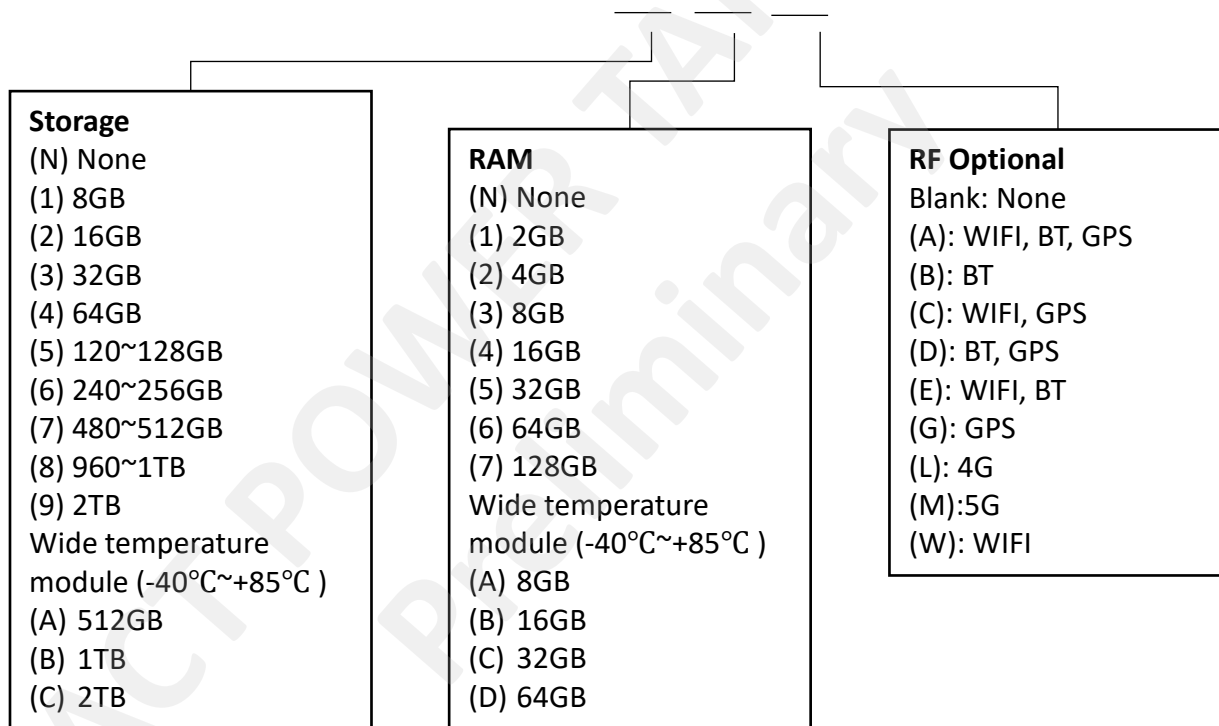
Intel i7 12<sup>th</sup> Generation CPU Rugged BOX PC

## Ordering Information

Model Name	Description	Unit
ESY-CI704	Intel i7 12 <sup>th</sup> Generation CPU Rugged BOX PC	1

## Ordering Details

# ESY - CI704 - 84



### Example: ESY-CI704-84

Intel i7 12th Generation CPU Rugged BOX PC, with 1TB Industrial Storage, 16GB RAM

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